

ABSTRACT OF THE DISCLOSURE

The present invention provides a fiber reinforced polypropylene-based composite material comprising reinforcing fibers and a matrix resin, wherein the reinforcing fibers and the matrix resin are made of different polypropylene-based resins and wherein a melting point, $T_m(F)$, of the polypropylene-based resin which is the material forming the reinforcing fibers and a melting point, $T_m(M)$, of the polypropylene-based resin which is the matrix resin satisfy $T_m(F) - T_m(M) > 10^\circ C$.

Since the fiber reinforced polypropylene-based composite material of the present invention contains reinforcing fibers and a matrix resin both of which are made of polypropylene-based resins, adhesiveness of the reinforcing fibers and the matrix resin is excellent and therefore the composite material exhibits excellent mechanical strength. Moreover, when the composite material is heated and kneaded with an injection machine, an extruder or the like at a temperature at which both the reinforcing fibers and the matrix resin melt, the polypropylene-based resin which is the material of the reinforcing fibers easily admix with the polypropylene-based resin which is the matrix resin. The resultant can be reused as a uniform polypropylene-based resin.